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| FORM PTO-1449 SAMUELS, GAUTHIER & STEVENS LLP<br>(Rev. 5/92) 225 Franklin Street, Boston, MA 02110<br>Telephone: (617) 426-9180<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> | 10307<br>ATTORNEY DOCKET NO.<br><br>APPLICANT: Assefa et al.<br><br>FILING DATE: <u>Herewith</u> | Unknown<br>SERIAL NO.<br><br>GROUP: Unknown<br><br>EXAMINER: Unknown |
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### U.S. PATENT DOCUMENTS


| EXAMINER<br>INITIAL |    | DOCUMENT<br>NUMBER | DATE       | NAME            | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|----|--------------------|------------|-----------------|-------|----------|-------------------------------|
| DW                  | AA | 2003/0043870       | 03/06/2003 | Shchukin et al. |       |          | 09/04/2001                    |
|                     | AB |                    |            |                 |       |          |                               |
|                     | AC |                    |            |                 |       |          |                               |
|                     | AD |                    |            |                 |       |          |                               |
|                     | AE |                    |            |                 |       |          |                               |
|                     | AF |                    |            |                 |       |          |                               |
|                     | AG |                    |            |                 |       |          |                               |
|                     | AH |                    |            |                 |       |          |                               |
|                     | AI |                    |            |                 |       |          |                               |

### FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION<br>YES NO |
|---------------------|----|--------------------|------|---------|-------|----------|-----------------------|
|                     | AJ |                    |      |         |       |          |                       |
|                     | AK |                    |      |         |       |          |                       |
|                     | AL |                    |      |         |       |          |                       |

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| EXAMINER<br>INITIAL |    |  |
|---------------------|----|--|
|                     | AM |  |
|                     | AN |  |
|                     | AO |  |

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| EXAMINER  | DATE CONSIDERED 10/10/05 |
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(Rev. 5/92)GAUTHIER & CONNORS LLP  
225 Franklin Street, Boston, MA 02110  
Telephone: (617) 426-9180

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

AUG 11 2005

**U.S. PATENT DOCUMENTS**

| EXAMINER<br>INITIAL |    | DOCUMENT<br>NUMBER | DATE       | NAME                | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|----|--------------------|------------|---------------------|-------|----------|-------------------------------|
| bw                  | AA | 5,682,401          | 10/28/1997 | Joannopolous et al. |       |          | 6/18/1996                     |
| vw                  | AB | 6,198,860B1        | 3/6/2001   | Johnson et al.      |       |          | 9/22/1998                     |
|                     | AC |                    |            |                     |       |          |                               |
|                     | AD |                    |            |                     |       |          |                               |
|                     | AE |                    |            |                     |       |          |                               |
|                     | AF |                    |            |                     |       |          |                               |
|                     | AG |                    |            |                     |       |          |                               |
|                     | AH |                    |            |                     |       |          |                               |
|                     | AI |                    |            |                     |       |          |                               |

**FOREIGN PATENT DOCUMENTS**

| EXAMINER<br>INITIAL |    | DOCUMENT<br>NUMBER | DATE      | COUNTRY | CLASS | SUBCLASS | TRANSLATION<br>YES NO |
|---------------------|----|--------------------|-----------|---------|-------|----------|-----------------------|
| bw                  | AJ | WO 02/056430A2     | 7/18/2002 | WIPO    |       |          | YES                   |
|                     | AK |                    |           |         |       |          |                       |
|                     | AL |                    |           |         |       |          |                       |

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

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| bw                  | AM | Happ, Thomas D. et al., "Two-dimensional photonic crystal coupled-defect laser diode," Applied Physics Letters, American Institute of Physics 2003, New York, Vol. 82 no. 1, January 6, 2003, pgs. 4-6                     |
| bw                  | AN | Inoshita, K. et al., "Room-Temperature Lasing Characteristics of Bend and Branch in Photonic Crystal Waveguide," Japanese Journal of Applied Physics, Tokyo, JP, Vol. 42 no. 11, Part 1, November 10, 2003, pgs. 6887-6891 |
|                     | AO |  |

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